AMENDMENT AND RESPONSE UNDER 37 CFR § 1.111

Serial Number: 09/843250 Filing Date: April 26, 2001

Title: NOVEL NAPHTHALENE DIOXYGENASE AND METHODS FOR THEIR USE

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In the Specification

Please amend the specification by adding the following new section at page 8, line 23:

BRIEF DESCRIPTION OF THE DRAWINGS

FIG. 1 illustrates the effect of specific amino acid substitutions in an alpha-subunit having SEQ ID NO: 26 on the regiospecificity of a naphthalene dioxygenase during the oxidation of biphenyl.

FIG. 2 illustrates the effect of specific amino acid substitutions in an alpha-subunit having SEQ ID NO: 26 on the regiospecificity of a naphthalene dioxygenase during the oxidation of phenanthrene.

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